

ABSTRACT

Method and System for Reducing Total Sample Complexity

5 The present invention relates to a method for reducing total sample complexity
in native or digested biological sample(s), before analysis thereof by mass
spectrometry, comprising the following steps: a) selecting a fraction from the entire
native or digested biological sample(s) on the basis of pI-value, said fraction
comprising native or digested sample representing a subset of or the entire substance
10 population in the sample; b) separating native or digested sample substances from
each other; and c) analysing said substances by mass spectrometry. The invention also
relates to a system for reducing total sample complexity in the above method,
comprising a high capacity charge-selective column coupled to a MDLC work flow
path comprising a cation exchange column and a RPC column. The system is
15 followed by a MS/MS instrument.